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(54) Angled optical connector

(57) An angled optical connector (10) optically couples received first and second optical blocks (12), each of which has an optical fiber (12a) embedded therein which terminates at an optical block end face (12b). The connector (10) has corresponding first and second ports (14) and a reflecting surface (22). In one embodiment, each port (14) has a port optical block (16) which includes an optical fiber (16a) embedded therein which extends between and terminates at first and second port optical block end faces (16b). The first port optical block end face (16b) is aligned with the corresponding received optical block end face (12b) such that the port optical block optical fiber (16a) as terminating at the first end face (16b) thereof is aligned with the corresponding received optical block optical fiber (12a) as terminating at the end face (12b) thereof. A lens (20) aligns with each port optical block optical fiber (16a) as terminating at the second end face (16b) of such port optical block (16) for collimating light exiting or entering such optical fiber (16a). The reflecting surface (22) is aligned to reflect collimated light from the port optical block optical fiber (16a) of the first port (14) to the port optical block optical fiber (16a) of the second port (14). In another embodiment, each lens (20) aligns directly with the optical fiber (12a) of the corresponding received optical block (12). In a further embodiment, each lens is dispensed with such that light reflects directly from the first port optical block (16) to the second port optical block (16).

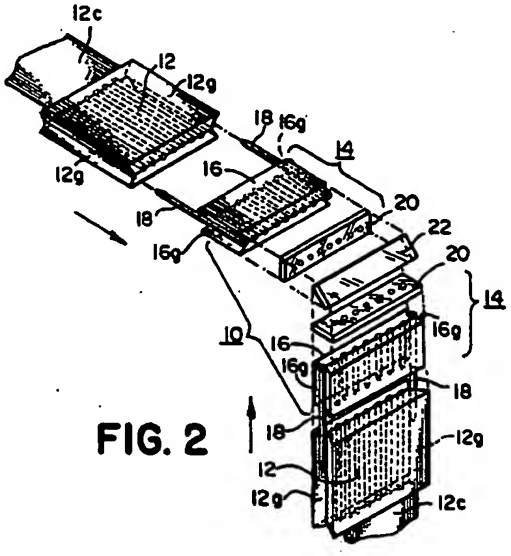

FIG. 2

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EUROPEAN SEARCH REPORT

Application Number
EP 01 10 4525

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The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
MUNICH	17 March 2004	Beutter, M

CATEGORY OF CITED DOCUMENTS

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